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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/721,904	11/26/2003	Garrard L. Hargrove	6164/DIV	6290
7590 01/03/2007 Breiner & Breiner, L.L.C. P.O. Box 19290			EXAMINER LEVY, NEIL S	
Alexandria, VA 22320-0290		•	ART UNIT	PAPER NUMBER
			1615	
GUODENIED CELEVICO	NA DEBIOD OF DESCOVISE	MAN DAME	1	V. VODE
SHORTENED STATUTOR	Y PERIOD OF RESPONSE	MAIL DATE	DELIVERY MODE	
3 MONTHS		01/03/2007	PAPER	

Please find below and/or attached an Office communication concerning this application or proceeding.

If NO period for reply is specified above, the maximum statutory period will apply and will expire 6 MONTHS from the mailing date of this communication.

		Application No.	Applicant(s)				
Office Action Summary		10/721,904	HARGROVE ET	HARGROVE ET AL.			
		Examiner	Art Unit				
		NEIL LEVY	1615				
The MAILING DATE of this communication appears on the cover sheet with the correspondence address Period for Reply							
WHIC - Exter after - If NO - Failu Any r	ORTENED STATUTORY PERIOD FOR RECHEVER IS LONGER, FROM THE MAILING asions of time may be available under the provisions of 37 CFR SIX (6) MONTHS from the mailing date of this communication. Period for reply is specified above, the maximum statutory perior to reply within the set or extended period for reply will, by streply received by the Office later than three months after the med patent term adjustment. See 37 CFR 1.704(b).	B DATE OF THIS COMMU R 1.136(a). In no event, however, ma riod will apply and will expire SIX (6) I atute, cause the application to becom	NICATION. y a reply be timely filed MONTHS from the mailing date of this of a BANDONED (35 U.S.C. § 133).				
Status							
1)⊠	Responsive to communication(s) filed on 20	6 November 2003.					
•	This action is FINAL . 2b)⊠ This action is non-final.						
,	Since this application is in condition for allowance except for formal matters, prosecution as to the merits is						
,_	closed in accordance with the practice under <i>Ex parte Quayle</i> , 1935 C.D. 11, 453 O.G. 213.						
Dispositi	on of Claims						
4)🖂	4)⊠ Claim(s) <u>13-31</u> is/are pending in the application.						
•	4a) Of the above claim(s) is/are withdrawn from consideration.						
5) Claim(s) is/are allowed.							
6)⊠	6)⊠ Claim(s) 13-31 is/are rejected.						
7)							
8) Claim(s) are subject to restriction and/or election requirement.							
Applicati	on Papers		•				
9) The specification is objected to by the Examiner.							
10) The drawing(s) filed on is/are: a) accepted or b) objected to by the Examiner.							
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).							
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).							
11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.							
Priority u	ınder 35 U.S.C. § 119						
12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some * c) None of:							
1. Certified copies of the priority documents have been received.							
2. Certified copies of the priority documents have been received in Application No							
3. Copies of the certified copies of the priority documents have been received in this National Stage							
application from the International Bureau (PCT Rule 17.2(a)).							
* See the attached detailed Office action for a list of the certified copies not received.							
Attachmen	t(s)			9 1			
	e of References Cited (PTO-892)		ew Summary (PTO-413)				
	e of Draftsperson's Patent Drawing Review (PTO-948)		No(s)/Mail Date of Informal Patent Application				
3) Information Disclosure Statement(s) (PTO/SB/08) Paper No(s)/Mail Date 5) Notice of Informal Patent Application 6) Other:							

Application/Control Number: 10/721,904

Art Unit: 1615

DETAILED ACTION

Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

Claim13, 14, 16-23, 28-31 are rejected under 35 U.S.C. 103(a) as being unpatentable over MOORE, 4804403

See summary; a core, nutrient, is coated with polyfunctional isocyanate (p-MDI-column 4, lines 60-62, Example 1) and polyol (column 3, lines 5-15). Core is urea ammonium sulfate---(column 3, lines 48-54). A polyol with triethanolamine is used (Example 1 and column 5, lines 27-35). Pesticides are added to the coating (column 5, bottom). Granules are formed in situ (column 7, lines 14-27). Additional coatings are applied, to optimize water resistance (column 7, lines 54-58). Pesticides may be applied as diluent fillers between or as part of, the additional coatings (column 8, lines 15-22). Pesticide layers can constitute multiple layers (column 8, lines 23-34). The examples teach use of the instant invention, but for ammonium sulfate, shown. However, sat column 3, as a normal fertilizer as the MOORE core, thus obvious for one to use in place of the exemplified urea.

Claims 15,24-27 are rejected under 35 U.S.C. 103(a) as being unpatentable over CUMMINGS et al WO 97/09882 in view of MOORE 4804403.

CUMMINGS shows acephate on ammonium sulfate cores is desirable (page 5) but a sand core is not as unstable. A binder is coated in situ on the core, then acephate is added (page 12, bottom). However, MOORE (above) shows effective fertilizers can be coated with pesticides, insecticides (column 5, lines 55-58) and provide long controlled release periods, by applying multiple coatings.

Thus, the acephate coated core of CUMMINGS, if prepared with coating materials of MOORE, with multiple layers, would solve the problem of loss of efficacy over time.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to NEIL LEVY whose telephone number is 571-272-0619. The examiner can normally be reached on Tuesday-Friday, 7 AM to 5:30 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, MICHAEL WOODWARD can be reached on 571-272-8373. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

NEIL LEVY
Primary Examiner

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